

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Martha M. Allman

GENERAL INFORMATION:

Name:	Canton Cooperage, Inc.
Address:	365 South Woodlawn Ave. Lebanon, Kentucky 40033
Date application received:	May 23, 2006
SIC/Source description:	2449, cooperage and toasting
Source ID #:	21-155-00035
Source A.I. #:	46439
Activity #:	APE20060004
Permit number:	F-04-023

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
__X Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input checked="" type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM/PM ₁₀	20.93/11.65	26.02/16.16
SO ₂	0.15	0.24
NO _x	2.89	2.91
CO	89.70	90.02
VOC	78.03	80.21

SOURCE DESCRIPTION:

Canton Cooperage produces charred wood barrels and chips for the wine industry. Various wood working equipment is used to produce barrel staves and wood chips. A natural gas boiler provides process heat. Wood is used to directly char the barrels while a natural gas rotary drum is used to toast the chips. This minor revision to the permit is to increase the maximum capacity of Emission Point 5, Oak Chip Production, and to add two new insignificant activities.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

Canton Cooperage first applied for a conditional major permit with potential emissions of carbon monoxide (CO) and volatile organic (VOC) over the major source threshold, but it was noticed that the particulate matter emission factor supplied in the application would show a violation of 401 KAR 59:010, New process operations for unit COMB02. An hourly throughput limit was set to keep emissions below the allowable, however, stack testing provided a lower emission factor and the hourly throughput limit was removed.

The source shall be limited to emissions of less than 90 tons per year of a carbon monoxide and volatile organic compound emissions in order to preclude the applicability of 401 KAR 52:020. For Emissions Point 4, Cooperage Operations/Barrel Manufacturing, the maximum operating rate shall not exceed 680 tons/year of wood burned.

OPERATIONAL FLEXIBILITY:

N/A